

City of Fort Worth, Texas Department of Environmental Management

North Main Street Corridor Study Environmental Report

June 12, 2000

Prepared by
Deena DePalma, Environmental Specialist
Gary Steinle, Senior Information Systems Analyst
Kathryn Hansen, Regulatory/Environmental Coordinator

Section 1 - Introduction

Section 1 - Introduction

The North Main Street Corridor Study focuses on improving the linkage along North Main Street between Downtown and the Stockyards, two of Fort Worth's major activity centers. Currently, North Main Street serves as a traffic conveyance to surrounding major highways, providing access to the Stockyards, Downtown, and local businesses. It no longer functions as a "main street" with commercial and retail uses related to and serving the surrounding community. A significant barrier to redeveloping this area is the uncertainty of environmental contamination associated with some of the older industrial areas.

This environmental report of the North Main Corridor is written to provide an overview of potential environmental problems in the area. It should be used as a stepping stone to the redevelopment of the project area, and not as a definitive study of the type and extent of environmental contamination or environmental impacts within the North Main Corridor. It is important to keep in mind while reading this report that the presence or use of materials on a site does not necessarily denote a hazard.

This report is based on information obtained through reasonable searches of existing databases of the Environmental Protection Agency (EPA), the Texas Natural Resource Conservation Commission (TNRCC), and the City of Fort Worth. The City of Fort Worth makes no warranties as to the validity or the completeness of the information contained herein. Our review was limited to:

EPA databases:

- CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System);
- TRIS (Toxic Release Inventory System);
- RCRIS (Resource Conservation and Recovery Information System); and
- RMP*Info (Risk Management Plan Information)

TNRCC databases:

- Voluntary Cleanup Program; and
- Leaking Petroleum Storage Tanks

Texas Groundwater Protection Committee:

The 1998 Joint Groundwater Monitoring and Contamination Report

City of Fort Worth Fire Department databases:

- Underground Storage Tanks; and
- Community Right-to-Know information

City of Fort Worth Department of Environmental Management:

regulatory files (air quality)

Sources of potential additional data that were not utilized include City of Fort Worth Water Department industrial pretreatment records, City of Fort Worth Department of Environmental Management storm water regulatory records, EPA and TNRCC NPDES storm water permit records, and TNRCC regulatory records.

This report is to be used in conjunction with the North Main Corridor Environmental Study map created by the Department of Environmental Management GIS Division. The map identifies existing facilities and/or areas along the North Main Street corridor which may pose environmental concerns. Section 3 of this report provides an explanation of specialized terms and acronyms which were used to describe these facilities and/or areas on the map, and identifies the icons that were used on the map to identify potential environmental concerns. Section 4 provides detailed information about each facility identified on the map.

A tool that may be utilized for the redevelopment of the North Main Corridor is the City of Fort Worth Brownfields Economic Redevelopment Program, launched in October 1999. Brownfields are defined as abandoned or idle commercial or industrial facilities where redevelopment is complicated by real or perceived environmental contamination. Armed with a \$200,000 grant from the Environmental Protection Agency (EPA), the Department of Environmental Management is equipped to perform Phase I and Phase II environmental site assessments on properties selected for redevelopment under the program. Additionally, the Department of Environmental Management will assist in the preparation of remediation plans, will act as a liaison between developers and the Texas Natural Resource Conservation Commission (TNRCC), and will aid in the marketing of the properties. The City will also attempt to locate funding sources for remediation and identify other economic incentives that are available to brownfields redevelopers.

Section 2 - Acronyms

Section 2 - Acronyms

BTEX - benzene, toluene, ethylbenzene, and xylene

CAA - Clean Air Act (42 USC §§ 7401-7671q)

CAD - corrective action directive

CERCLA - Comprehensive Environmental Response, Compensation and Liability

Act (42 USC §§ 9601 et seq.)

CERCLIS - Comprehensive Environmental Response, Compensation, and Liability

Information System (EPA database)

EPA - Environmental Protection Agency

EPCRA - Emergency Planning and Community Right-to-know Act (SARA Title III -

42 USC §§ 11001-11050)

LQG - large quantity generator

LUST - leaking underground storage tank

NOV - notice of violation

NPDES - National Pollutant Discharge Elimination System

NPL - National Priorities List

OSHA - Occupational Safety and Health Administration (part of Dept. of Labor)

RAP - remedial action plan

RCRA - Resource Conservation and Recovery Act (42 USC §§ 6901 et seq.)

RCRIS - Resource Conservation and Recovery Information System (EPA data-

base)

RMP - risk management plan (Clean Air Act §112(r))

RMP*Info - Risk Management Plan Info (EPA database)

SARA - Superfund Amendments and Reauthorization Act (amended CERCLA)

TACB - Texas Air Control Board (consolidated into the TNRCC on September 1,

1993)

TNRCC - Texas Natural Resource Conservation Commission

TPH - total petroleum hydrocarbons

TRIS - Toxic Release Inventory System

TSD - treatment, storage, and disposal facility

UST - underground storage tank

VCP - Voluntary Cleanup Program

Section 3 - Explanation of Map Symbols

Section 3 - Explanation of Map Symbols



AIRQUAL

The "AIRQUAL" symbol denotes facilities which are presently being monitored under the Clean Air Act (CAA). The Department of Environmental Management's Air Quality Division enforces the CAA through permitting, compliance inspections, complaint investigations, enforcement, and air monitoring.



RMP – Risk Management Plan

The Clean Air Act Amendments of 1990 required EPA to publish regulations and guidelines for chemical accident prevention at facilities using extremely hazardous substances (Section 112(r) of the Clean Air Act). The Risk Management Program regulation was developed to require companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Plan (RMP). A plan contains a summary of the facility's emergency response information, safety precautions and maintenance measures, accident history, potential effects of an accidental release, and worst-case scenarios.

(http://www.epa.gov:9966/srmpdcd/owa/rmp_cmnc\$.startup)



RCRIS - Resource Conservation and Recovery Information System

RCRIS is a database which is used by the EPA to track facilities regulated under the Resource Conservation and Recovery Act (RCRA) subtitle C (hazardous waste handlers). RCRIS includes data on general handler information, permit or closure status, compliance with federal and state regulations, and cleanup activities. We used it to identify Large Quantity Generators (LQGs) in the area. LQGs are persons or facilities generating more than 2200 pounds of hazardous waste per month.

(http://www.epa.gov/enviro/html/rcris/rcris_query_java.html)



CERCLIS - Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is the official database for site and non-site specific data in support of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains information on hazardous waste site assessment and remediation. Each site in CERCLIS is either currently listed on the National Priorities List (NPL) or is being or has been investigated as a Superfund site.

(http://www.epa.gov/enviro/html/cerclis/cerclis_query.html)



TRIS - Toxic Chemical Release Inventory System

The Toxic Chemical Release Inventory System (TRIS) is a database published by the U.S. Environmental Protection Agency (EPA) regarding toxic chemicals that are being used, manufactured, treated, transported, or released into the environment. This database contains information concerning waste management activities and the release of toxic chemicals by facilities that manufacture, process, or utilize such chemicals. It tabulates air emissions, surface water discharges, releases to land, underground injections, and transfers to off-site locations. The TRIS Toxic Chemical List includes over 640 individually listed chemicals and chemical categories.

(http://www.epa.gov/enviro/html/tris/tris guery.html)



SARA - Superfund Amendments and Reauthorization Act

The Superfund Amendments and Reauthorization Act (SARA) of 1986: Title III is also known as the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986. This act was passed in response to concerns regarding the threat to human health and the environment posed by the presence and/or release of hazardous and/or toxic chemicals. The law requires regulated facilities to participate in emergency planning and notify their communities of the existence of hazardous and/or toxic chemicals, as well as their scheduled and/or accidental releases. The "SARA" acronym denotes facilities which are regulated under this act. The information in this report on SARA Title III facilities was provided by the Fort Worth Fire Department.

(http://www.epa.gov/triinter/ttitle3.htm)



LUST - Leaking Underground Storage Tank

A leaking underground storage tank (LUST) is a tank located entirely or partially underground that is designed to hold gasoline or other petroleum products or chemical solutions and is leaking. The information on LUSTs in this report is from the Texas Natural Resource Conservation Commission (TNRCC) Leaking Petroleum Storage Tank Database.

(http://www.tnrcc.state.tx.us/permitting/remed/rpr/pstquery.htm)



UST - Underground Storage Tank

An underground storage tank (UST) is a tank located entirely or partially underground that is designed to hold gasoline or other petroleum products or chemical solutions. The "UST" symbol denotes sites where a UST is located. This information was obtained from the City Of Fort Worth Fire Department's database.



VCP - Voluntary Cleanup Program

The Voluntary Cleanup Program (VCP) provides administrative, technical, and legal incentives to encourage the voluntary cleanup of contaminated sites in Texas. Non-responsible parties, including future lenders and landowners, receive protection from liability to the state of Texas for cleanup of sites under the VCP. This allows for the restoration of many unused or under used properties to profitable and productive pieces of real estate. The Voluntary Cleanup database contains pertinent information on all sites that are in the VCP.

(http://www.tnrcc.state.tx.us/permitting/remed/vcp)



Groundwater Contamination

The 1998 Joint Groundwater Monitoring and Contamination Report prepared by the Texas Groundwater Protection Committee lists facilities and/or locations where groundwater contamination has been identified. Groundwater contamination is defined as any detrimental alteration of the naturally occurring quality of groundwater. It is

limited, however, to contamination suspected of being associated with activities under the jurisdiction of the contributing agencies and affecting usable quality groundwater. There are instances in this report where information from the TNRCC Leaking Petroleum Storage Tank database indicates groundwater contamination at a facility, but that facility is not listed in this groundwater report.

Section 4 - Parcel-by-Parcel Description

Section 4 - Parcel-by-Parcel Description

This report is based on information obtained through reasonable searches of existing databases of the Environmental Protection Agency (EPA), the Texas Natural Resource Conservation Commission (TNRCC), and the City of Fort Worth. The City of Fort Worth makes no warranties as to the validity or the completeness of the information contained herein. Our review was limited to:

EPA databases:

- CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System);
- TRIS (Toxic Release Inventory System);
- RCRIS (Resource Conservation and Recovery Information System); and
- RMP*Info (Risk Management Plan Information)

TNRCC databases:

- Voluntary Cleanup Program; and
- Leaking Petroleum Storage Tanks

Texas Groundwater Protection Committee:

• The 1998 Joint Groundwater Monitoring and Contamination Report

City of Fort Worth Fire Department databases:

- Underground Storage Tanks; and
- Community Right-to-Know information

City of Fort Worth Department of Environmental Management:

• regulatory files (air quality)

Sources of potential additional data that were not utilized include City of Fort Worth Water Department industrial pretreatment records, City of Fort Worth Department of Environmental Management storm water regulatory records, EPA and TNRCC NPDES storm water permit records, and TNRCC regulatory files.

The presence or use of materials on a site does not necessarily denote a hazard.

The following is a list of facilities and/or areas along the North Main Corridor Study area which may pose environmental concerns. Facilities are listed from the south to the north end of the study area.

Anderson Henderson Inc.

401 E. Belknap Street



LUST - # 108885

- Discovered: 10/28/94; Reported: 10/31/94
- TNRCC Priority Code and Description: 4.2, no groundwater impact, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

National Metal and Smelting

210 NW 4th Street



RCRIS - National Metal and Smelting is a RCRA permitted facility, however they do not have a Handler/Facility Classification in the current RCRIS database. If necessary, a more detailed search will be conducted to further investigate the RCRA status of this facility.

UST - (1) present on the property.

Texas Utilities

101 NW 4th Street / 210 NW 4th Street



SARA - Texas Utilities is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported

to be stored at Texas Utilities include sulfuric acid, sodium bisulfate monohydrate, molybdic acid,(common name Molybdate 3 Reagent for silica, 0 - 99 lbs. stored in plastic bottles or jugs); sulfuric acid, ammonium molybdate, 4-hydrate, and ammonium vanadate (common name Molybdovanadate Reagent, 0 - 99 lbs. stored in plastic bottles or jugs); and sulfuric acid (1,000 - 9,999 lbs. stored in plastic bottles or jugs).

Groundwater - According to the *1998 Joint Groundwater Monitoring and Contamination Report* prepared by the Texas Groundwater Protection Committee, groundwater contamination (lead, cadmium, chrome, TPH, EPTOX lead) has been identified on or around the area of the Texas Utilities property at 210 NW 4th Street.

La Tex Salvage

505 N. Houston Street





LUST - #107518

- Discovered: 12/2/93; Reported: 12/6/93
- TNRCC Priority Code and Description: 4A, soil contamination only, requires full site assessment and RAP.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed

UST - (6) present on the property

Texas Rail Joint

500 N. Main Street and 500 N. Commerce Street







LUST - #113594

- TNRCC Priority Code and Description: 4.1, groundwater impacted, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 2A, Phase 2 in progress.

UST - (2) present on the property.

Groundwater - According to the *1998 Joint Groundwater Monitoring and Contamination Report* prepared by the Texas Groundwater Protection Committee, groundwater contamination (gasoline) has been identified on or around the area of the Texas Rail Joint property at 500 N. Main Street.

O & S Garage

501 N. Main Street



UST - (2) present on the property.

S W Petroleum

534 N. Main Street



SARA - SW Petroleum is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported to be stored at SW Petroleum include sulfuric respirable crystalline quartz; reifned coal tar and emulsion; heavy and light naphthenic hydrotreated distillate; petroleum lubricating oil based stock; aluminum paste; petroleum naphtha; petroleum hydrocarbon; and nitrobenzene.

Apac Texas Inc. 505 NW 5th Street







LUST - #103911

Discovered: 7/20/92 Reported: 7/21/92

- TNRCC Priority Code and Description: 2.6, impacted groundwater discharges to surface water used by humans/endangered species <500ft.
- TNRCC Status Code and Description: 3A, Phase 3 in progress.

UST - (1) present on site.

Groundwater - According to the *1998 Joint Groundwater Monitoring and Contamination Report* prepared by the Texas Groundwater Protection Committee, groundwater contamination (gasoline, diesel) has been identified on or around the area of the Apac Texas Inc. property.

Huchison Pipe & Waste

601 N. Throckmorton Street



UST - (2) present on site.

American Cyanamid Co.

600 N. Jones Street









AIRQUAL - American Cyanamid Co. (Cyanamid) was a TACB permitted facility which manufactured cracking catalyst for petroleum refining. Cyanamid had received numerous permits to construct and operate a Catalyst Calcining system and various other process equipment. During Cyanamids operational period, numerous complaints regarding odors and emissions from various plant operational areas were reported to the TACB. In response to complaints, the TACB conducted investigations at the site. In 1983 the Cyanamid plant closed. In July of 1990, a TACB inspection revealed that all visible friable and non-friable asbestos had been removed from structures which remained on-site. These structures have since been demolished and removed from the site.

CERCLIS - Cyanamid's Fort Worth facility was built in the 1940's by Defense Plant Corporation at the request of the U.S. government to manufacture cracking catalyst for petroleum refining. In 1946 Cyanamid purchased the plant. The catalyst manufactured

was a non-hazardous silica/aluminum substrate into which trace quantities of heavy metals were impregnated depending on production requirements. While operational, all industrial wastes at Cyanamid were discharged into ponds for pretreatment, then into the city sanitary sewer.

In June of 1980, the Occupational Safety and Health Association (OSHA) collected five soil samples from the site. Analytical results indicated detectable levels of metals. OSHA referred the site to EPA. In July of 1980, an inspection was conducted by EPA in which three sediment samples and one water sample were collected. The analytical results revealed elevated levels of metals. No further action was taken by EPA.

In 1983, the Cyanamid plant closed due to business reasons. The facility closed in accordance with federal and state guidelines under RCRA.

In 1989, Cyanamid and the City of Fort Worth agreed to a soil and water sampling program in response to citizen concerns of threats to their health and the environment. Surface and sub-surface soils, as well as storm water runoff and ground water samples were collected in more than 30 areas in and around the plant site. The results of the sampling program indicated that metals from the materials remaining on the site do not represent a significant threat to public health or the environment. In January 1990, Cyanamid began removing asbestos containing material and all structures from the site.

In December of 1993, the site was transferred to Cytec Industries Inc. On March 31, 1995, Cyanamid was issued a Notice of Violation (NOV) with a Corrective Action Directive (CAD) on March 31, 1995 concerning the release of metals into the soil, sediment, groundwater, and stormwater. Additional sampling activities were conducted from July to September to meet the requirements of the TNRCC CAD. Analytical results indictated site-attributable soil and ground water levels above background levels. Cyanamid was required to remediate these releases pursuant to Texas State Law to a Risk Reduction Standard 1,2 or 3. Presently, the site is a vacant lot, available for sale and redevelopment. Several former disposal areas have been maintained and left onsite.

UST - present on site.

Groundwater - According to the 1998 Joint Groundwater Monitoring and Contamination Report prepared by the Texas Groundwater Protection Committee, groundwater contamination (cobalt, nickel, copper, molybendum and vanadium) has been identified on or around the area of the former American Cyanamid Co. site.

Techni Coat, Inc. 301 NE 6th Street







Techni Coat, Inc. (Techni Coat) conducted coating operations on air-conditioning and heating coils as well as sulfuric acid anodizing operations. The southern portion of the property on which Techni Coat operated was owned by American Cyanamid. Techni Coat ceased operations at this location on April 30, 1990. On August 19, 1991, an Agreed Order (AO) was issued to Techni Coat by the Texas Water Commission (currently the TNRCC) for violations of the Texas Solid Waste Disposal Act, the Texas Water Code, and the Rules of the Texas Water Commission. The AO required a Site Assessment to investigate the extent of on-site contamination and a Closure Plan for an on-site hazardous waste tank. As of a 1997 RCRA Compliance Evaluation Inspection, performed by the TNRCC, the facility was inactive with all building materials and aboveground process equipment removed.

RCRIS - Techni Coat, Inc., was required at one time to obtain a RCRA permit to operate as a Treatment/Storgae/Disposal (TSD) facility. This facility was also subject to corrective action.

UST - (1) present on site.

Groundwater - According to the *1998 Joint Groundwater Monitoring and Contamination Report* prepared by the Texas Groundwater Protection Committee, groundwater contamination (VOCs) has been identified on or around the area of the Techni Coat Inc. property.

US Single Ply Co.

750 N. Commerce



AIRQUAL - US Single Ply Co. is a TNRCC-permitted facility which operates a roof coating manufacturing facility.

SARA - U.S. Single Ply Co. is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported to be stored at U.S. Single Ply Co. include petroleum asphalt (100,000 - 999,999 lbs. stored in an above ground tank), calcium carbonate (100,000 - 999,999 lbs. stored in bags), magnesium silicate hydrate (10,000 - 99,999 lbs. stored in bags), Mica (10,000 - 99,999 lbs. stored in bags), and C14-30 alkylaromatic derivatives (100,000 - 999,999 lbs. stored in an above ground storage tank and drums).

AST Research, Inc. 205 NW 7th Street



RCRIS - AST Research, Inc., is a RCRA permitted facility. However, it does not have a Handler/Facility classification in the current RCRIS database. If necessary, a more detailed search will be conducted to further investigate the RCRA status of this facility.

Latex Salvage Corp.

NE 7th and Calhoun





AIRQUAL - Latex Salvage Corp. operates an underground storage tank salvaging business. In 1990 a smoke and odor complaint was reported to the TNRCC (then the TACB). Upon investigation, it was determined that the source of the smoke was a small fire which started during a torch cutting on a tank. The fire was extinguished and the facility remains under random surveillance by the TNRCC.

UST - (1) present on site.

Pioneer Concrete of Texas Inc.

880 N. Houston Street







AIRQUAL - Pioneer Concrete of Texas is a TNRCC-permitted facility which operates a concrete batch plant. The facility has had numerous dust complaints in the past. In response to these complaints, the facility has hired a contractor to sweep the yard to reduce dust migration.

RCRIS - Large Quantity Generator

LUST - #096216

- Discovered: 7/10/90; Reported: 7/10/90
- TNRCC Priority Code and Description: 4.2, no groundwater impact, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 1B, initial directives issued awaiting initial response.

Sellers Bud, Estate of

825 N. Main





LUST - #104498

- Discovered: 9/2/92 Reported: 9/2/92
- TNRCC Priority Code and Description: 4.1, groundwater impacted, no apparent threats or impacts to receptors
- TNRCC Status Code and Description: 3A, Phase 3 in progress

Groundwater - According to the 1998 Joint Groundwater Monitoring and Contamination Report prepared by the Texas Groundwater Protection Committee, groundwater contamination (gasoline, waste oil) has been identified on or around the area of the Bud Sellers property.

Anchor Printing and Lithographic Co.

820 N. Main



RCRIS - Anchor Printing and Lithographic Co. is a RCRA-permitted facility, however it does not have a Handler/Facility Classification in the current RCRIS database. If necessary, a more detailed search will be conducted to further investigate the RCRA status of this facility.

Texas Refinery Corporation

840 N. Main Street / 901 N. Houston Street









AIRQUAL - Texas Refinery Corporation has been operating at this location since 1962. It is a TNRCC-permitted facility which manufactures sealants, coatings, lubricants, and grease. An NOV was issued in September of 1993 for failure to maintain records of daily asphalt usage. Over the years they have had numerous dust complaints reported against them which the TACB responded to.

RCRIS - Large Quantity Generator

TRIS - This facility produces asphalt felts and coatings and lubricating oils and greases. They are not a RCRA permitted storage facility. Waste shipped off-site to EPA permitted TSD facilities include ignitable waste and pentachlorphenol. Chemicals reported to have been released both on and off-site by the Texas Refinery Corporation from 1988 to 1998 include antimony compounds, dichloromethane, diethanolamine, ethylene glycol, xylene (mixed isomers), and zinc compounds.

SARA - The Texas Refinery Corp. is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported to be stored at the Texas Refinery Corp. include hydrous aluminum silicate (clay); silicon dioxide (sand); heavy aromatic solvent Naphtha (Aromatic Solvent

150); stoddard solvent; carbon black; 12-hydroxystearic acid; sodium nitrite; ethylene glycol; magnesium aluminum silicate (Min-U-Gel); mineral oil, alkenylamine, light aliphatic hydrocarbons, and trimethylbenzene (common name Anglamol 6085); heavy aromatic Naphtha and 2-ethylhexanol (Lubrizol 8080A); mineral oil and zinc alkyldithiophosphate (Lubrizol 4994F); mineral oil, zinc alkyldithiophosphate, and dialkyldithiocarbamate (Vanlube ethylhexanol (Lubrizol 9993); antimony deasphalted residium (Naphthenic Bright Stock); hydrotreated light naphthenic distillates (100 Pale Oil); residul oils (petroleum), solvent refined (150 Solvent Bright Stock); hydrtreated heavy paraffinic distillates (100, 150, and 600 Solvent neutral oils); asphalt and stoddard solvent (Mightyplate Coatings); coal tar pitch; stoddard solvent, aluminum, asphalt, and xylene mixed isomers (Aluminum Roof Coating and Texotropic); asphalt (emulsion); asphalt, crystalline silica quartz, and aluminum silicate (Gator Seal); 2-butoxyethanol, silica acid, and disodium salt (Super Big Red and Quadra Kleen); hexylene glycol and diethanolamine (Big Red Concentrated Cleaner and Multi-Klean); O-Creyl Ether, Bisphenol A Diglycidyl Ether Resin, and Triethylenetramine; silica flour; calcium cholride; 1,2-ethanediol; gear oils; and solvent deasphalted residual oils.

Tarrant Beer Distributing Co.

935 N. Main Street





LUST - # 106134

- Discovered: 10/4/90; Reported: 10/1/90 [sic]
- TNRCC Priority Code and Description: 6, minor soil contamination no remedial action required.
- TNRCC Status Code and Description: 6E, reviewed for closure, unable to locate responsible party.

LUST - # 097660

- Discovered: 10/1/90; Reported: 10/1/90
- TNRCC Priority Code and Description: 4.1, groundwater impacted, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

UST - (1) present on site.

Rodriguez Festive Foods

913 N. Houston Street





SARA - Rodriguez Festive Foods is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported to be stored at Rodriguez Festive Foods include carbon dioxide (10,000 - 99,999 lbs. stored in an above ground tank) and liquid nitrogen (10,000 - 99,999 lbs. stored in an above ground tank).

UST - (2), one present on site, one located at 500 E. Central

Solvent Specialty

1010 Benjamin Street (no longer at this address)





SARA - According to the City of Fort Worth Fire Departments database, this facility is no longer operating at this location. However, there is a Tier Two form on file with the Texas Department of Health, Hazard Communication Branch.

UST - (3) present on site.

Ellis & Company

1014 N. Commerce Street



- Discovered: 12/17/92; Reported: 12/18/92
- TNRCC Priority Code and Description: 5, minor soil contamination does not require a RAP.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

Tarrant County Water Board

1022 N. Calhoun Street







RCRIS - Large Quantity Generator

LUST - # 104078

- Discovered: 2/13/92; Reported: 2/13/92
- TNRCC Priority Code and Description: 5, minor soil contamination does not require a RAP.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

UST - (2) present on site.

Jet Blast Co.

208 Grand Avenue



AIRQUAL - In March of 1986 the TACB received a dust emissions complaint against the Jet Blast Co. The facility was inspected and the problem was corrected. It was recommended by the TACB to reinspect the facility and continue surveillance.

Big Value Super Market

1300 Lee Avenue



AIRQUAL - This facility is on the TNRCC Standard Exemption List, and is under periodic surveillance. There have been numerous smoke complaints reported against

the facility. The source of the smoke is from an incinerator which is used to burn boxes. Occassionally, plastic material accidently gets put into the incinerator which causes the smoke problem.

Baldos Garage

1200 N. Main Street



AIRQUAL - In December of 1984, an NOV was issued by the TACB to Baldos Garage for excess visible emissions. A followup inspection was conducted by the TACB and it was determined that the facility had corrected the NOV and was now in compliance. The facility receives periodic inspections by the TACB to ensure that it remains in compliance with TNRCC Rules and Regulations.

Flores Garages

1204 N. Main Street



LUST - #102088

- Discovered: 3/6/92; Reported: 3/6/92
- TNRCC Priority Code and Description: 5, minor soil contamination does not require a RAP.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

McCauley Tire

1205 N. Main Street



AIRQUAL - In June of 1990, McCauley Tire Company was issued an NOV for violation of Rule 116.1 - constructing and operating a facility without first meeting a standard

exemption or obtaining a valid permit from the TACB. In September of 1990 the violation was corrected by the facility. The facility has also received numerous odor complaints as well as NOV's for failure to maintain abatement equipment in good working order. The facility remains under surveillance by the TNRCC.

Fort Worth Laundry and Cleaners 1307 N. Main Street



AIRQUAL - Fort Worth Laundry and Cleaners employs the use of naptha in its cleaning process. A dry cleaners inspection worksheet is completed and on file with the City of Fort Worth Department of Environmental Management.

Good Luck Oil Co. 311 Northside Drive







LUST - # 097008

- Discovered: 10/16/90 Reported: 10/16/90
- TNRCC Priority Code and Description: 2A, groundwater other than 1B, site characterization incomplete
- TNRCC Status Code and Description: 2F, Phase 2 report overdue

UST - (3) present on site.

Groundwater - According to the 1998 Joint Groundwater Monitoring and Contamination Report prepared by the Texas Groundwater Protection Committee, groundwater contamination (gasoline) has been identified on or around the area of the Good Luck Oil Co. property.

United Paper Recycling

401 E. Northside Drive





AIRQUAL - United Paper Recycling operates as a resource recovery plant which sorts, shreds, and bales paper. In March of 1985 an NOV was issued by the Texas Department of Health (TDH) for violation of General Rule 101.6 (Notification Requirements for Major Upsets). The facilities sprinkler system was not operating to control dust and the facility failed to notify the TDH. A compliance letter was sent to United Paper Recycling on March 20, 1985 requesting that they submit to the TACB within 10 days, a written plan to comply with above stated regulation.

LUST - # 097422

- Discovered: 11/30/90 Reported: 11/30/90
- TNRCC Priority Code and Description: 4A, soil contamination only, requires full site assessment & RAP.
- TNRCC Status Code and Description: 1B, initial directives issued awaiting initial response.

Ca Sons Auto Repair

1501 Ellis Avenue



AIRQUAL - An NOV was issued on June 22, 1995 by the TNRCC to Ca Sons Auto Repair for violation of TNRCC Regulation I, Rule 111.101 and Fort Worth City Ordinance 8024 (open burning). In December of 1990, the owner indicated that the facility had discontinued all open burning since the NOV was issued.

Flores Service Station and Paint and Body Shop

1421 N. Main Street









AIRQUAL - In July of 1989, an odor complaint was reported to the TACB. An inspection was conducted and the complaint could not be confirmed.

LUST - # 112552

- TNRCC Priority Code and Description: 4.1, groundwater impacted, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 2A, Phase 2 in progress.

UST - (2) present on site.

Groundwater - According to the *1998 Joint Groundwater Monitoring and Contamination Report* prepared by the Texas Groundwater Protection Committee, groundwater contamination (gasoline) has been identified on or around the area of the Flores Service Station and Paint and Body Shop property.

•

FWISD Side Transportation Facility

215 NE 14th Street





LUST - #094518

- Discovered: 1/8/90; Reported: 1/8/90
- TNRCC Priority Code and Description: 2.6, impacted groundwater discharges to surface water used by humans/endangered species <500FT.
- TNRCC Status Code and Description: 3A, Phase 3 in progress.

Groundwater - According to the *1998 Joint Groundwater Monitoring and Contamination Report* prepared by the Texas Groundwater Protection Committee, groundwater contamination (gasoline) has been identified on or around the area of the FWISD Side Transportation Facility property.

FWISD/NS Auto Shop

215 NE 14th Street



Groundwater - According to the *1998 Joint Groundwater Monitoring and Contamination Report* prepared by the Texas Groundwater Protection Committee, groundwater contamination (gasoline) has been identified on or around the area of the FWISD/NS Auto Shop property.

Adjacent Railyard - Santa Fe Depot

1501 N. Jones Street



VCP - Adjacent Railyard - Santa Fe Depot submitted an application to enter into the VCP on June 30, 1999. The 3.79 acre site is contaminated with total petroleum hydrocarbons (TPH). An agreement describing the schedule of events necessary to achieve cleanup was signed on July 9, 1999. The facility is currently completing the investigation phase of the program.

Ferro Corp.

2001 North Grove













AIRQUAL - Ferro Corp., formerly known as Synpro Synthetic Products Co., is a TNRCC-permitted facility which produces amides, calcium stearate, zinc stearate, other metallic stearates, and fatty acids. Ferro received a board order (signed July 29, 1994) after being issued an NOV in January 1992 for the violation of 30 TAC116.110(a) when operating a 12,000-gallon ammonia storage tank without obtaining a permit or qualifying for an exemption. Ferro has had three odor complaints reported within the last five years. In April of 1999, the TNRCC conducted a compliance inspection at the facility. It was determined that the facility was in compliance with applicable rules and no NOV's were issued.

RMP - Ferro submitted its RMP in June of 1999. The reported chemicals processed at this facility are anhydrous ammonia and ammonia (concentration 20% or greater).

TRIS - Ferro produces industrial organic chemicals. Chemicals reported to have been released both on and off-site by this facility from 1988 to 1998 include ammonia, nickel, and zinc compounds. Chemicals reported to have been released to the air are ammonia and zinc compounds and to the surface water, nickel and zinc compounds.

SARA - Ferro is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported to be stored at Ferro Polymer Additives include zinc stearate; magnesium stearate; calcium stearate; calcium hydroxide; magnesium oxide; zinc oxide; hydrogen; nitrogen; phosphoric acid esters; anhydrous ammonia; sodium hydroxide; oleamide (Lubrizol); stearamide; partially hydrogenated terphenyls (Therminol 66); nickel catalyst; polyolefin wax; paraffin wax; glycerol monostearate; oleic acid; stearic acid; sodium chloride; glycerine; lithium hydroxide monohydrate; potassium hydroxide; sodium carbonate; alkylbenzone; polyoxethylene; mineral oil; diatomaceous earth; sodium stearate; lithium stearate; fatty acid mixture; resin emulsion (glu); benzene sulfonic acid and alkyl derivatives sodium salt (Calsoft F-90); methanoic acid; sodium methyl-4-hydrobenzoate; Poly(oxy-1,2-ethanediyl) and Alpha-Tridecyl-omega-hydroxy-,phosphate (RS 7190 Emuls); activated carbon; polyethanol; ciric acid; nonphenoxypoly (ethyleneoxy) ethanol; and isopropyl alcohol.

The facility also reports an extremely hazardous substance, anhydrous ammonia, which may be stored in excess of the "Threshold Planning Quantities."

LUST - #100088

- Discovered: 9/9/91; Reported: 9/9/91
- TNRCC Priority Code and Description: 4A, soil contamination only, requires full site assessment & RAP.
- TNRCC Status Code and Description: 1B, initial directives issued awaiting initial response.

UST - present on site.

American Thio Chem

2021 N. Grove Street



CERCLIS - This facility, formerly known as American Thiochem, and before that, Texas Phenothiazine, was an abandoned veterinary medicine formulations facility. In May of 1988, city officials discovered 61 drums and four 1,500 gallon tanks of various chemicals (including lead arsenate, nitric acid, silver nitrate, benzene, cyclohexane, phenol, hexane, and hexachloroethane). The facility was reported to the EPA on May 10, 1988. It became the target of an EPA investigation (CERCLIS ID# TXD987966108), and in the early 90's the owner was ordered to pay \$13.4 million in civil fines (remains unpaid). Over 69 tons of chemicals were stored on-site in over 10,000 containers. An EPA-funded removal was conducted and completed on September 28, 1988. A \$941,485 lien was placed on the property in 1990 for costs. In December of 1995, the facility burned to the ground, forcing the evacuation of 500 people from the Stockyards area and nearby neighborhoods. The property is currently a vacant lot.

Diamond Shamrock

2030 N. Main



UST - (2) present on site.

The Catholic Center 214 NW 20th Street



- Discovered: 3/7/94 Reported: 3/17/94
- TNRCC Priority Code and Description: 4.2, no groundwater impact, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 1B, initial directives issued awaiting initial response.

7 Eleven Store # 18749

2000 Clinton Avenue



LUST - # 102556

- Discovered: 8/28/91; Reported: 8/28/91
- TNRCC Priority Code and Description: 4.1, groundwater impacted, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

Morton Foods

2100 N. Main Street



RCRIS - Morton Foods is a RCRA permitted facility, however there is not a Handler/Facility Classification in the current RCRIS database. If necessary, a more detailed search will be conducted to further investigate the RCRA status of this facility.

Northern Ice Co.

211 NE 21st Street (out of business)





SARA - According to the City of Fort Worth Fire Department's database, this facility is no longer operating at this location. However, there is a Tier Two form for this facility on file with the Texas Department of Health, Hazard Communication Branch.

- Discovered: 2/25/92; Reported: 3/3/92
- TNRCC Priority Code and Description: 4A, soil contamination only, requires full site assessment & RAP.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

Murco Wall Products Incorporated

300 NE 21st Street



AIRQUAL - Murco Wall Products Inc. began operating as a drywall manufacturing facility in 1973. It was permitted by the TACB in 1989. The chief materials used in production are limestone, mica, clays, latex, talc, CMC (made from cotton), and different thickening and adhesive agents. It also produces water based and solvent based paints. Dust complaints from the yard area have been reported in the past. A March 1994 inspection showed Murco Wall to be in compliance with TNRCC Rules and Regulations.

RCRIS - Murco Wall Products Inc. is a RCRA permitted facility, however there is not a Handler/Facility Classification in the current RCRIS database. If necessary, a more detailed search will be conducted to further investigate the RCRA status of this facility.

TRIS - Murco Wall Products Inc. produces paints, varnishes, lacquers, enamels, and allied products. Chemicals reported to have been released to the air from 1987 to 1993 are dibutyl phthalate and ethylene glycol. This facility did not report any chemical discharges to surface water or land or the transfer of any chemicals to off-site disposal facilities.

SARA - Murco Wall Products, Inc. is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported to be stored at Murco Wall include micaous silica; attupugite clay; quartz silica; amorphous silicate; limestone; cobalt; latex; gypsum; and ammonia hydrozide.

- Discovered: 10/2/91; Reported: 10/3/91
- TNRCC Priority Code and Description: 4.2, no groundwater impact, no apparent threats or impacts to receptors.

• TNRCC Status Code and Description: 6P, final concurrence pending documentation of well plugging.

UST - (2) present on site.

Aston Meats Co. 418 NE 22nd Street





LUST - #102535

- Discovered: 11/21/91 Reported: 1/6/92
- TNRCC Priority Code and Description: 5, minor soil contamination does not require a RAP.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

UST - present on site.

Fire Station 12

120 NW 22nd Street





LUST - #109308

- Discovered: 3/24/95; Reported: 3/24/95
- TNRCC Priority Code and Description: 4.2, no groundwater impact, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

UST - present on site.

Danals Stockyard Grocery

2469 N. Houston



AIRQUAL - A citizen complaint was reported in 1989 to the TACB regarding excessive smoke and flyash coming from Danal's incinerator. An inspection was conducted and the owner stated that the incinerator would be repaired.

Bunge Foods

400 E. Exchange Avenue



AIRQUAL - Bunge Foods manufactures products such as shortening, margarine, cooking oils, and other edible fats and oils. They are a TNRCC-permitted facility. In March of 1993 a complaint of a bad odor was reported to the TACB. An investigation confirmed the odor and an NOV was issued to Bunge Foods. In December of 1993, the TNRCC conducted an inspection and determined that Bunge Foods was in compliance.

RMP - Bunge Foods submitted its RMP in June of 1999. The reported chemical processed at this facility is anhydrous ammonia, used in ammonia refrigeration.

RCRIS - Bunge Foods is a RCRA permitted facility, however there is not a Handler/Facility Classification in the current RCRIS database. If necessary, a more detailed search will be conducted to further investigate the RCRA status of this facility.

TRIS - Bunge Foods manufactures cooking oils, shortening, and other edible oils. Chemicals reported to have been released to the air from 1987 to 1998 are ammonia, nickel, phosphoric acid, sodium hydroxide (solution), and sulfuric acid (1994 and after, acid aerosols only). This facility has not reported any chemical releases to land or surface water. Chemicals transferred off-site include ammonia and nickel.

SARA -Bunge Foods is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported to be stored at Bunge Foods include Dowtherm A, potassium hydroxide, nickel catalyst,

aluminum chloride, anhydrous ammonia, sulfuric acid, nitrogen, diesel fuel, diatomateous earth, and bentonite acid-leached powder.

LUST - # 101882

- Discovered: 12/25/91; Reported: 12/26/91
- TNRCC Priority Code and Description: 4.1, groundwater impacted, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

UST - present on site.

Groundwater - According to the 1998 Joint Groundwater Monitoring and Contamination Report prepared by the Texas Groundwater Protection Committee, groundwater contamination (diesel) has been identified on or around the area of the Bunge Foods property.

Roadside Station 1 415 NW 28th Street



UST - (3) present on site.

Truck Country USA 201 NW 28th Street



UST - present on site.

Lucky Lady Oil Co.

107 NW 28th Street





LUST - # 106503

- Discovered: 12/16/92; Reported: 12/16/92
- TNRCC Priority Code and Description: 4.2, no groundwater impact, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

UST - present on site.

Lisa Motor Lines

2715 Ellis Street



LUST - #095506

- Discovered: 5/3/90; reported: 5/3/90
- TNRCC priority code and description: 2C, Group 1 groundwater, off-site migration unlikely.
- TNRCC status code and description: 6A, final concurrence issued, case closed

Mobil Oil Corp., Service Station No. G34

100 NE 28th Street



UST - (2) present on site.

Picnic Mart # 3

2801 N. Main Street







LUST - #108317

- Discovered: 7/1/94; Reported: 7/1/94
- TNRCC Priority Code and Description: 4.1, groundwater impacted, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

LUST - #108318

- Discovered: 7/1/94 Reported: 7/1/94
- TNRCC Priority Code and Description: 4.2, no groundwater impact, no apparent threats or impacts to receptors.
- TNRCC Status Code and Description: 6A, final concurrence issued, case closed.

UST - (7) present on site.

VCP - Picnic Mart # 3 entered into the VCP in January of 1997. Soils on the site were contaminated with benzene, toluene, ethylbenzene, and xylene (BTEX) and TPH. An agreement describing the schedule of events necessary to achieve cleanup was signed on July 30, 1997 and a Certificate of Completion was issued by the TNRCC on February 25, 1998.

Bev-Bud Realty Corp., Inc.

2806 N. Commerce



VCP - Bev Bud Realty Corp., Inc. entered into the VCP in July of 1997. Soils on the 13.59 acre site were contaminated with TPH. An agreement describing the schedule of events necessary to achieve cleanup was signed on January 27, 1998 and a Certificate of Completion was issued by the TNRCC on October 26, 1999.

Advance Chrome Connection

2920 N. Main Street



AIRQUAL - Advance Chrome Connection operates as a job shop electroplater which reconditions and electroplates automotive bumpers. In 1990, it received a permit from the TACB to construct and operate a chrome plating line. It had been operating without a permit prior to 1990. A November 1999 Compliance Inspection revealed the facility to be operating in compliance with TNRCC Rules and Regulations.

RCRIS - Large Quantity Generator

SARA - Advance Chrome Connection is a SARA Title III regulated facility. A Tier Two form, which reports the type and quantity of hazardous chemicals stored at a facility, is on file with the Texas Department of Health, Hazard Communication Branch. Chemicals reported to be stored at Advance Chrome Connection include sulfuric acid and nitric acid (1,000 - 9,999 lbs. stored in a tank inside a building and a carboy).



The following is a list of addresses where additional UST's are located. These UST's are not necessarily associated with the owner of the property on which they are located. They are listed in the City of Fort Worth Fire Department's database.

2800 N. Main - 2 UST's

400 NW 28th - 1 UST

301 W. Exchange - 4 UST's

2321 N. Houston - 1 UST

101 NW 28th - 1 UST

215 NW 28th - 1 UST

221 NE 28th - 1 UST

401 NE 28th - 1 UST

124 E. Exchange - 1 UST

2533 N. Main - 2 UST's

2700 N. Main - 1 UST

2715 N. Main - 1 UST

200 W. Belknap - 1 UST

300 W. Belknap - 1 UST

900 NW 21st - 1 UST

315 NE 14th - 1 UST

405 NE 21st - 2 UST's

500 NE 23rd - 1 UST

1301 Jones - 1 UST

1414 Jones - 2 UST's

1601 Jones - 1 UST

1701 Jones - 1 UST

1501 N. Main - 3 UST's

1825 Main - 1 UST

400 E Central - 1 UST

409 W Central - 2 UST's

604 W Central - 2 UST's

709 W Central - 1 UST

1200 N Commerce - 2 UST's

1201 N Commerce - 1 UST

2109 N Commerce - 1 UST

205 Grand - 1 UST

209 Grand - 1 UST

502 Grand - 1 UST

504 Grand - 1 UST

1001 N Main - 1 UST

1012 N Main - 1 UST

1106 N Main - 1 UST

1117 N Main - 1 UST

1212 Main - 1 UST

111 Northside Dr. - 1 UST

301 E Northside Dr. - 1 UST

900 N Commerce - 1 UST

900 N Main - 1 UST

920 N Main - 3 UST's

939 N Main - 1 UST

941 N Main - 3 UST's

825 N Commerce - 1 UST

609 N Main - 2 UST's

640 N Main - 1 UST

800 N Main - 1 UST

837 N Main - 1 UST

712 N Throckmorton - 1 UST

804 N Throckmorton - 1 UST

400 NE 11th - 1 UST

648 N Calhoun - 1 UST

825 N Calhoun - 2 UST's

108 W Bluff - 1 UST

250 NE 20th - 1 UST

298 NE 20th - 1 UST

398 NW 5th - 1 UST